

Mumbai University

May - 2018

B.Sc.IT: SEMESTER – V

(QUESTION PAPER)

[IDOL – Revised Course]

PAPER – II

ASP.NET

WITH

C#

Time: 3 Hours**Total Marks:** 100**N.B.:** (1) All Question are Compulsory.

(2) Make Suitable Assumptions Wherever Necessary And State The Assumptions Made.

(3) Answer To The Same Question Must Be Written Together.

(4) Number To The Right Indicates Marks.

(5) Draw Neat Labeled Diagrams Wherever Necessary.

(6) Use of Non – Programmable Calculator is allowed.

Q.1 ATTEMPT ANY TWO QUESTIONS: (10 MARKS)

- (A) Differentiate between Structures and Classes. (5)
- (B) Explain Variable Sized Arrays with suitable example. (5)
- (C) Write a short note on .NET Framework. (5)
- (D) Are multiple Main() methods allowed in C#? Justify with an example. (5)

Q.2 ATTEMPT ANY THREE QUESTIONS: (15 MARKS)

- (A) Explain the concept of Private and Shared Assembly. (5)
- (B) What is Exception Handling? Explain the Syntax of Exception Handling Code. What is the use of finally Block? (5)
- (C) Explain the different keywords used for Interrupting the Loops. (5)
- (D) Explain the concept of Boxing and Unboxing. (5)
- (E) Define Inheritance and Polymorphism. Explain how Multiple Inheritance is supported by classes in C#. (5)
- (F) Explain Write() and WriteLine() Methods with examples. (5)

Q.3 ATTEMPT ANY THREE QUESTIONS: (15 MARKS)

- (A) What is the use of Menus and Toolbars in Windows Application? Explain. (5)
- (B) What is Common DialogBox? Explain FontDialog with suitable example. (5)
- (C) What is ArrayList? State its methods and properties. (5)
- (D) Differentiate between ListBox and ComboBox Controls. (5)
- (E) Write a windows application to change the color of form into Red, Green and Blue upon clicking the respective buttons. [Hint: Drag three buttons and Label them. Write the necessary events.] (5)
- (F) State the Conventions that are used with events. (5)

Q.4 ATTEMPT ANY THREE QUESTIONS: (15 MARKS)

- (A) What is Post-Back Event? Explain with suitable example. (5)
- (B) Explain .NET Framework Architecture in detail. (5)
- (C) Explain the work of Session State in ASP.NET. (5)
- (D) What is CSS? Explain Inline and Embedded CSS. (5)
- (E) Explain ViewState with suitable example. (5)
- (F) What is the difference between Themes and Skins in ASP.NET? (5)

Q.5 ATTEMPT ANY THREE QUESTIONS: (15 MARKS)

- (A) How do we create a User Control in ASP.NET? (5)
- (B) When do we have to use TreeView Control in ASP.NET? (5)
- (C) Explain the following validation controls with example: (5)
- (i) CompareValidator
 - (ii) CustomValidator
 - (iii) RangeValidator
 - (iv) RegularExpressionValidator
 - (v) RequiredFieldValidator

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- (D) Explain Request and Response Objects of ASP.NET. (5)
- (E) What are the benefits of using a custom enumeration like Direction over built-in types like System.Byte or String? (5)
- (F) What are the different ways to redirect a user to another page programmatically? What's the difference between them? (5)

Q.6 ATTEMPT ANY THREE QUESTIONS: (15 MARKS)

- (A) Explain ADO.NET Object Model with help of suitable diagram. (5)
- (B) Write the necessary steps for connecting to the SQL Server Database. (5)
- (C) What is the difference between DataReader and DataAdapter? Explain. (5)
- (D) State the ways of deployment of website in ASP .NET. (5)
- (E) Write a note on Authorization and Impersonation. (5)
- (F) Explain any four Standard Query Operators in LINQ. (5)

Q.7 ATTEMPT ANY THREE QUESTIONS: (15 MARKS)

- (A) Brief the concept of JQuery. (5)
- (B) Write short note on ScriptManager and UpdatePanel Controls. (5)
- (C) Explain DOM Manipulation Methods in jQuery. (5)
- (D) Write a jQuery Application to give Fade In and Fade Out Effects. [Make necessary assumptions for the program.] (5)
- (E) Explain the difference between AJAX Page Processing and Traditional Page Processing. (5)
- (F) What is Web Service? Explain the basic steps to create a Web Service using ASP.NET with C#. (5)
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